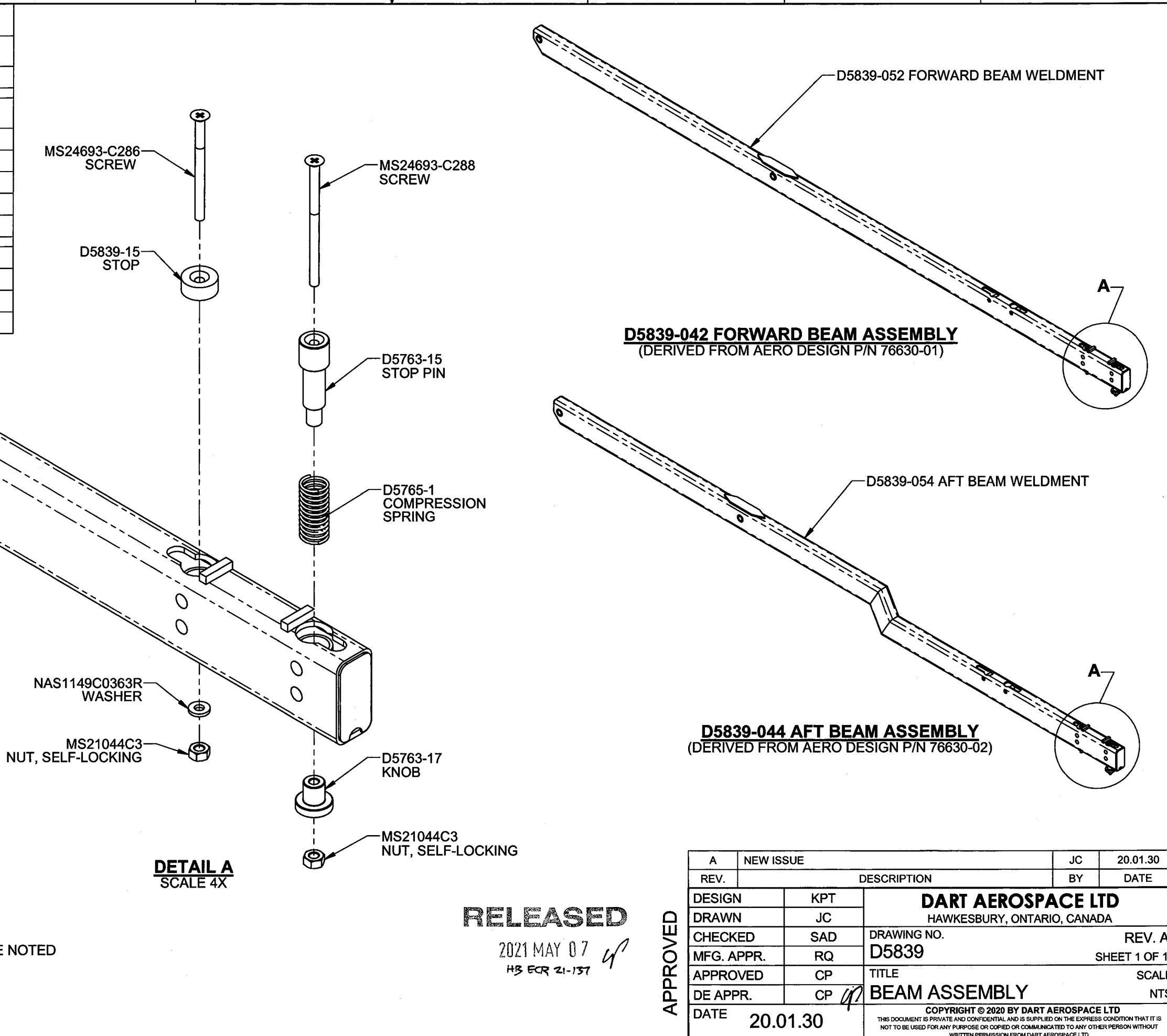


QTY -044	QTY -042	P/N	DESCRIPTION
	X	D5839-042	FORWARD BEAM ASSEMBLY
X		D5839-044	AFT BEAM ASSEMBLY
1		D5839-052	FORWARD BEAM WELDMENT
1		D5839-054	AFT BEAM WELDMENT
1	1	D5839-15	STOP
1	1	D5763-15	STOP PIN
1	1	D5763-17	KNOB
1	1	D5765-1	COMPRESSION SPRING
1	1	MS24693-C286	SCREW
1	1	MS24693-C288	SCREW
2	2	MS21044C3	NUT, SELF-LOCKING
1	1	NAS1149C0363P	WASHER

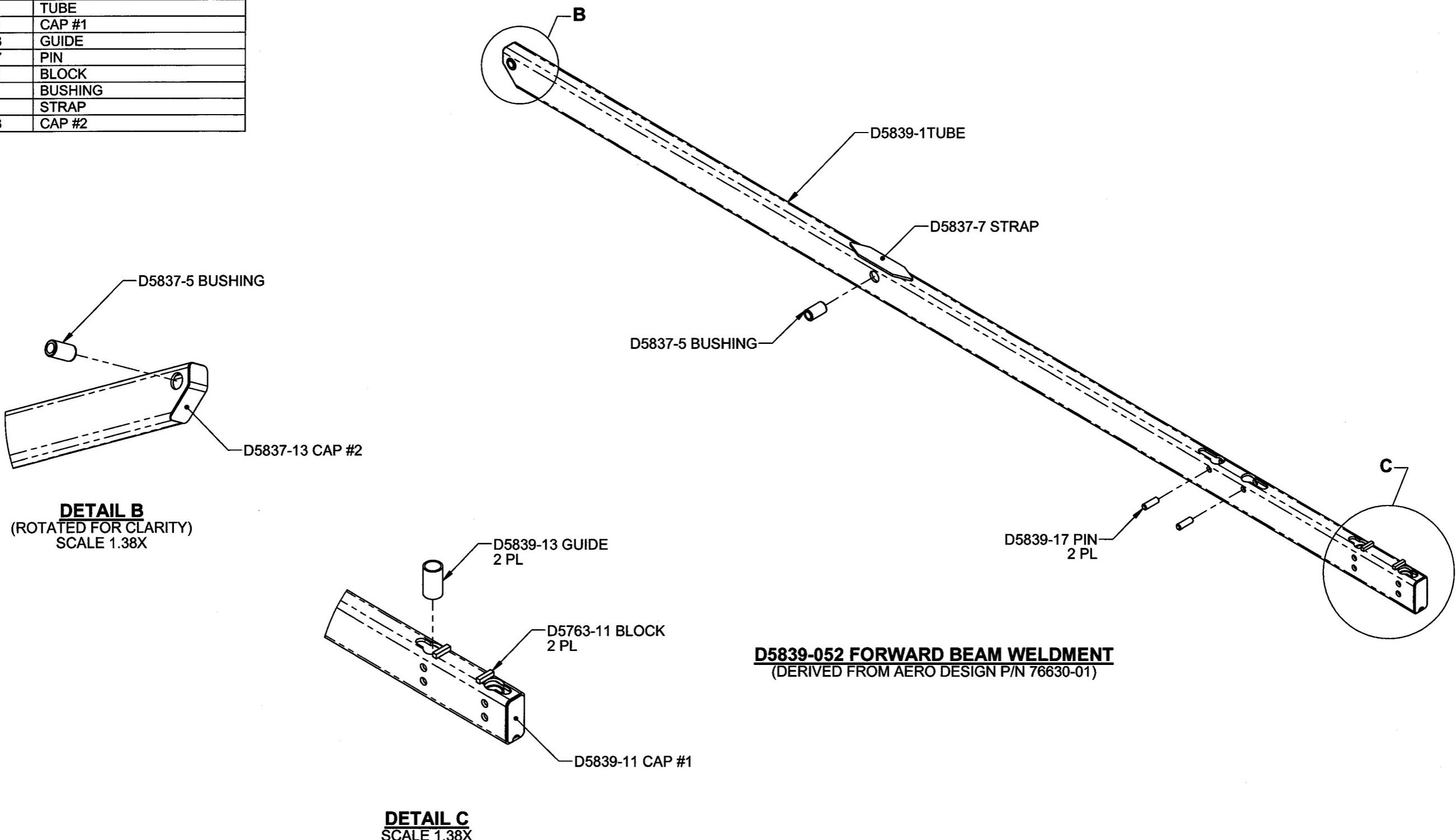


NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: -042: 12.78 lbs
-044: 12.47 lbs

8 7 6 5 4 3 2 1

QTY -052	P/N	DESCRIPTION
X	D5839-052	FORWARD BEAM WELDMENT
1	D5839-1	TUBE
1	D5839-11	CAP #1
2	D5839-13	GUIDE
2	D5839-17	PIN
2	D5763-11	BLOCK
2	D5837-5	BUSHING
1	D5837-7	STRAP
1	D5837-13	CAP #2



A
NOTES:
 1) MATERIAL: N/A
 2) FINISH: WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: PER DART QSI 044
 7) WEIGHT: 12.66 lbs
 8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS

RELEASED

2021 MAY 07 *yp*

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DATE	20.01.30

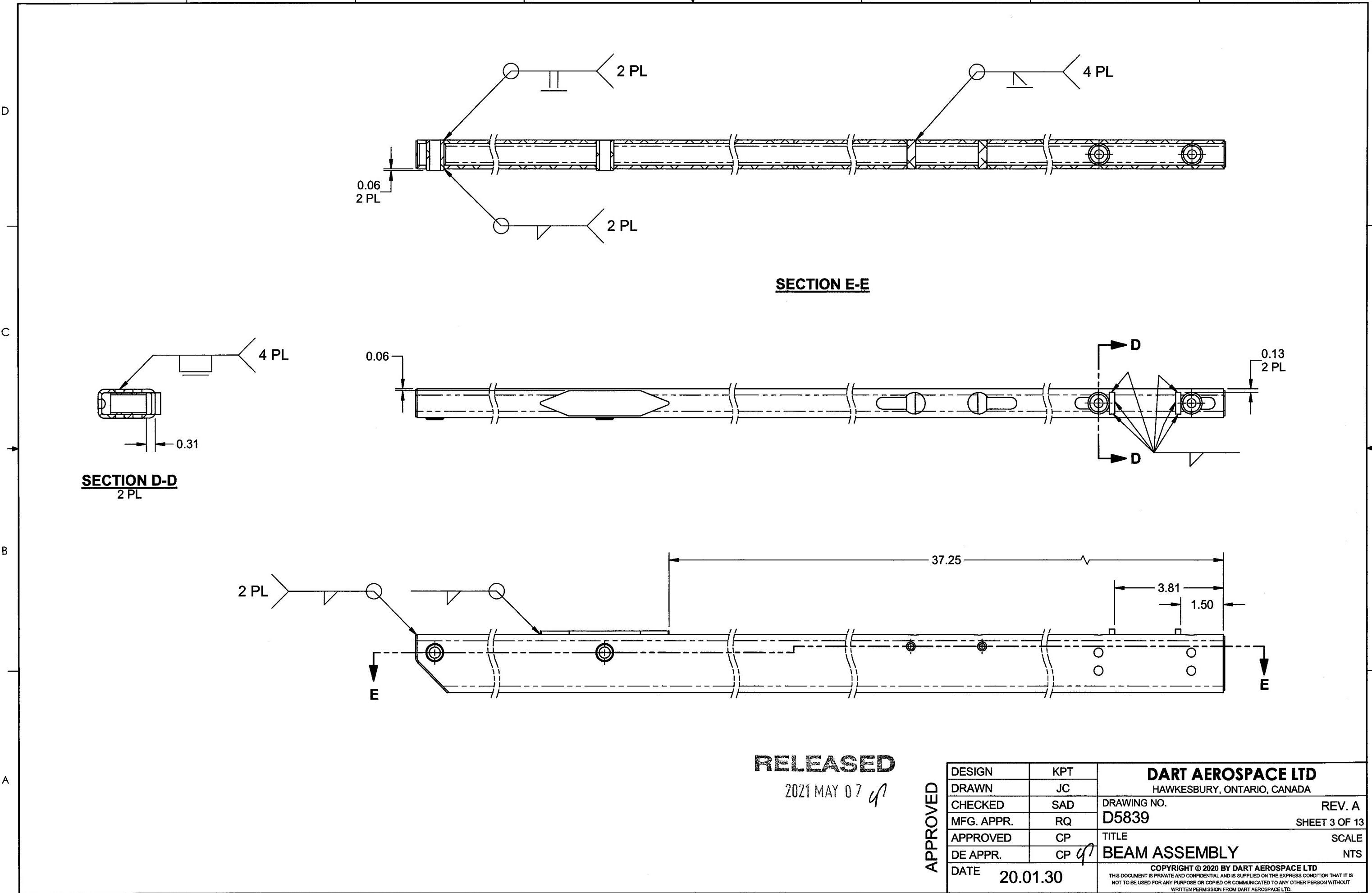
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

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D5839
REV. A
SHEET 2 OF 13

TITLE
BEAM ASSEMBLY
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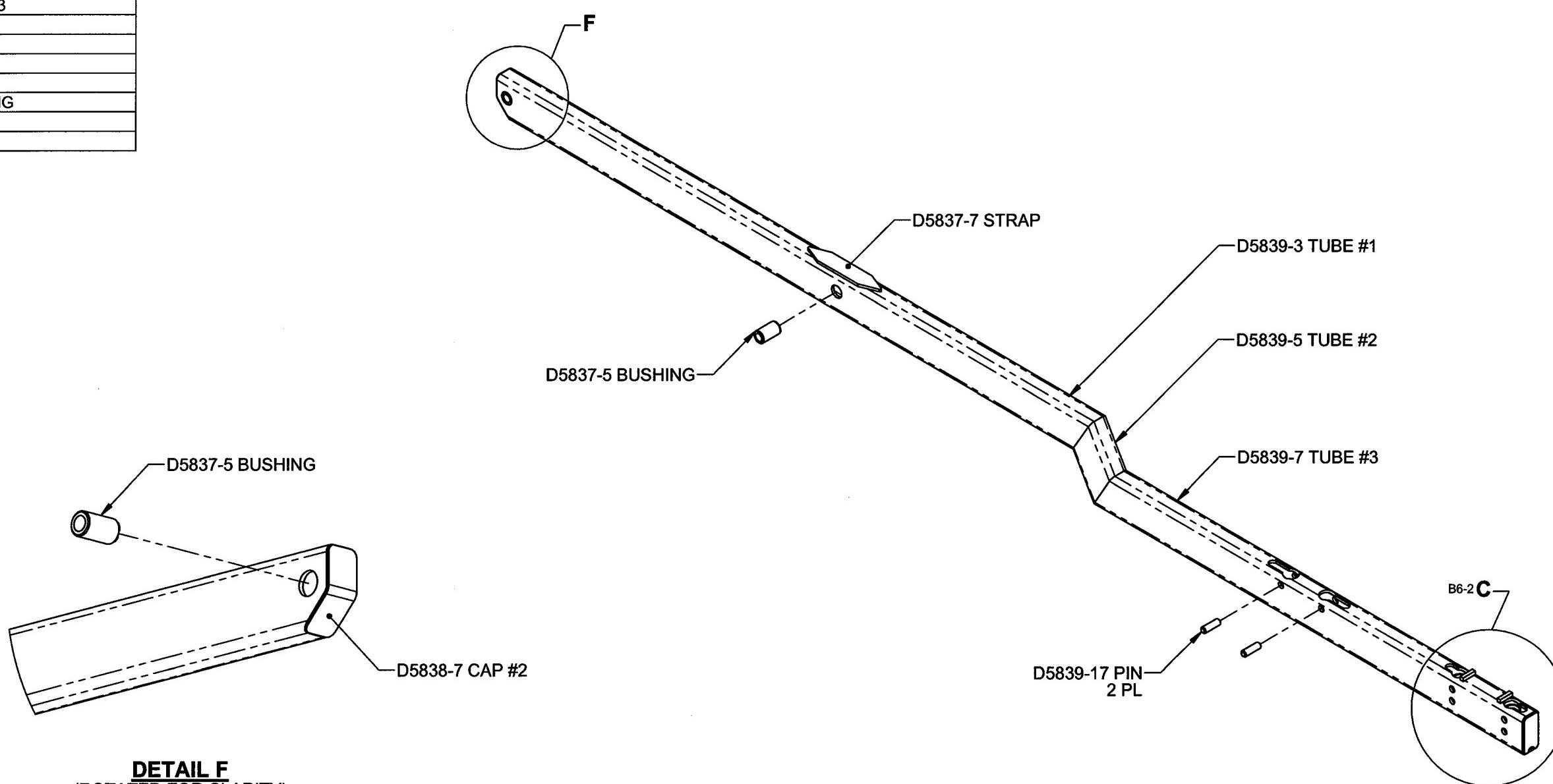
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8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

QTY -054	P/N	DESCRIPTION
X	D5839-054	AFT BEAM WELDMENT
1	D5839-3	TUBE #1
1	D5839-5	TUBE #2
1	D5839-7	TUBE #3
1	D5839-11	CAP #1
2	D5839-13	GUIDE
2	D5839-17	PIN
2	D5763-11	BLOCK
2	D5837-5	BUSHING
1	D5837-7	STRAP
1	D5838-7	CAP #2



DETAIL F
(ROTATED FOR CLARITY)
SCALE 1.83X

D5839-054 AFT BEAM WELDMENT
(DERIVED FROM AERO DESIGN P/N 76630-02)

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 12.35 lbs
 - 8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS

RELEASED

2021 MAY 07 *qf*

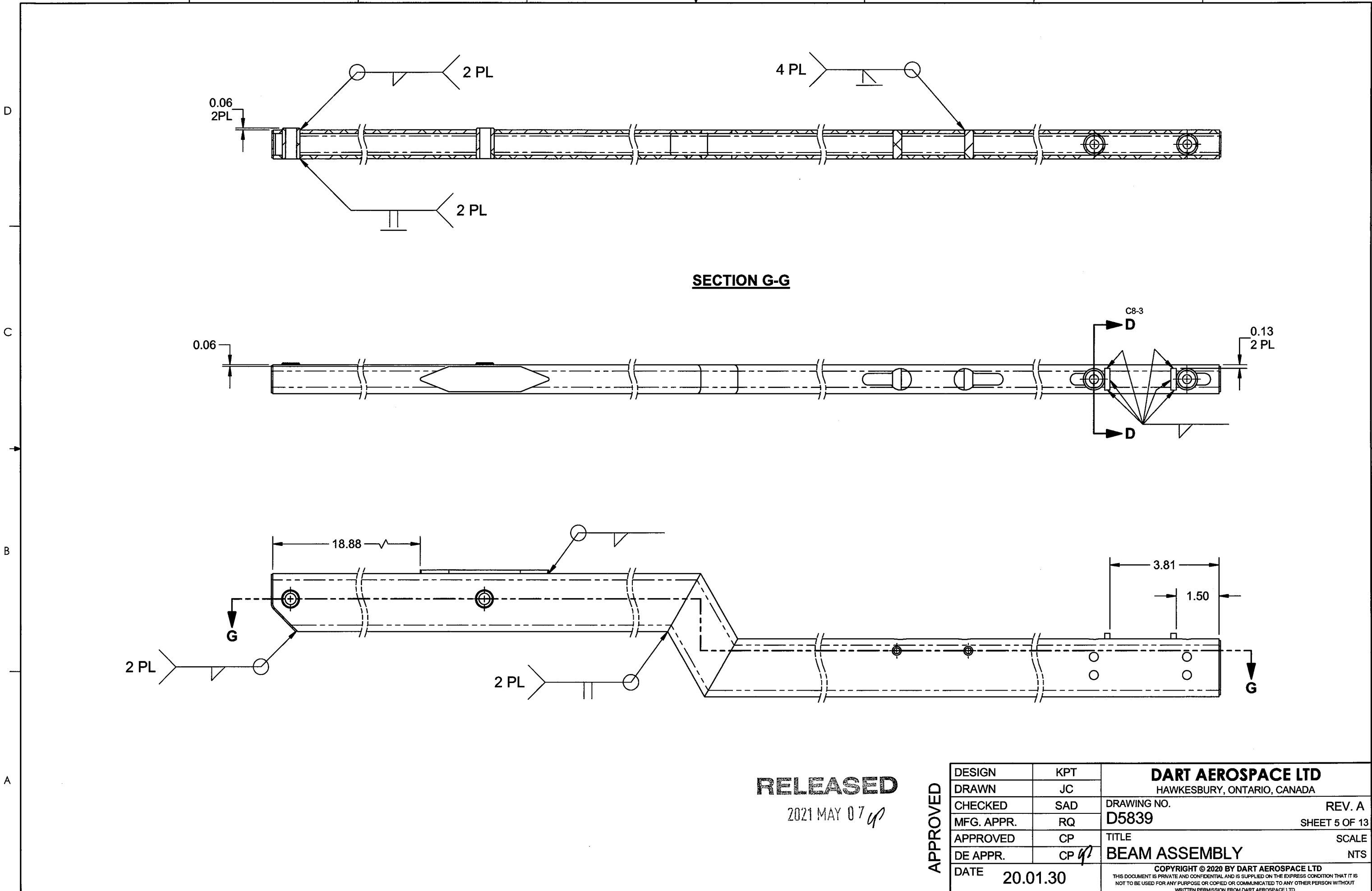
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DATE	20.01.30

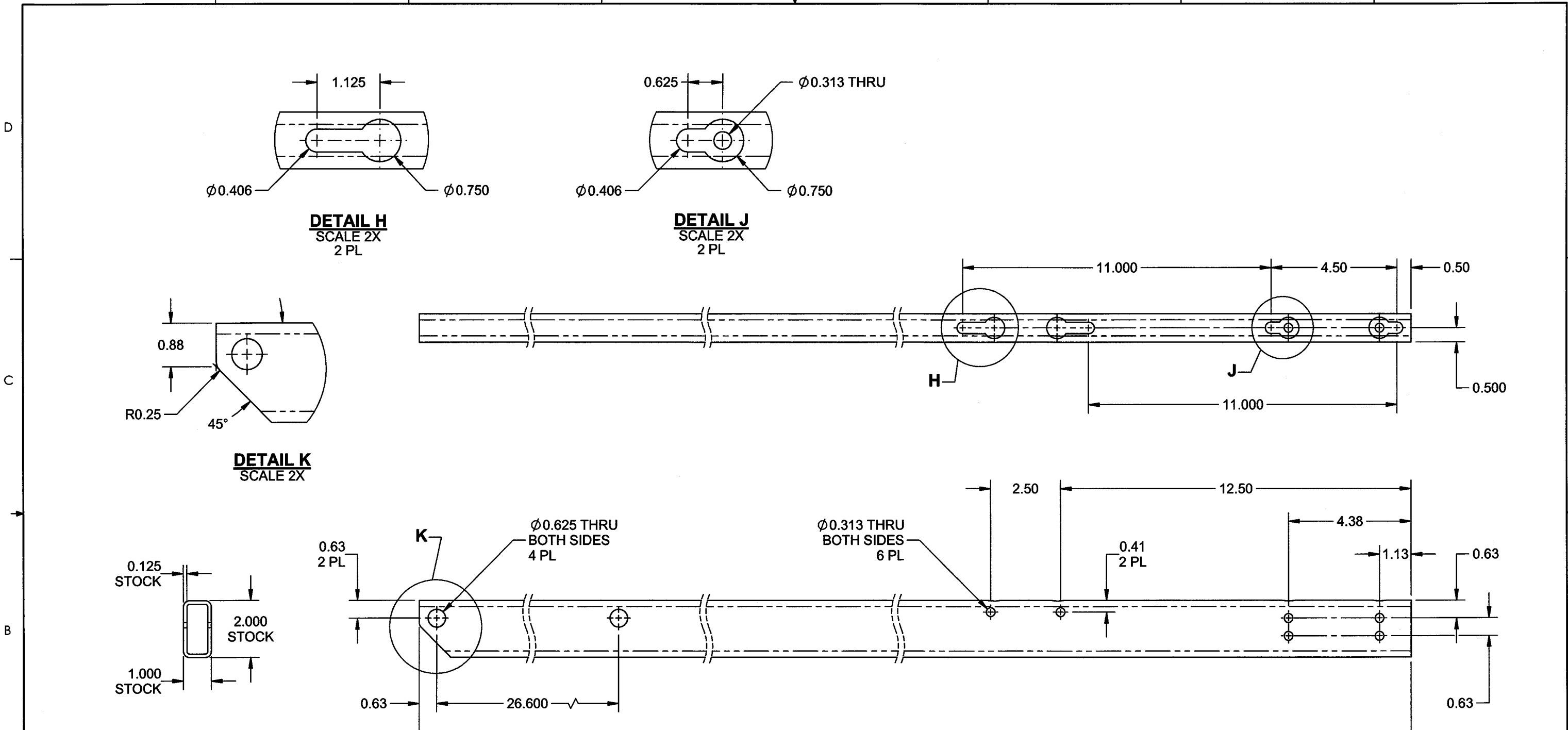
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HAWKESBURY, ONTARIO, CANADA

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SHEET 4 OF 13
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8 7 6 5 4 3 2 1



D5839-1 TUBE
(DERIVED FROM AERO DESIGN P/N 76630-03)

- A NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 12.23 lbs

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2021 MAY 07 *u*

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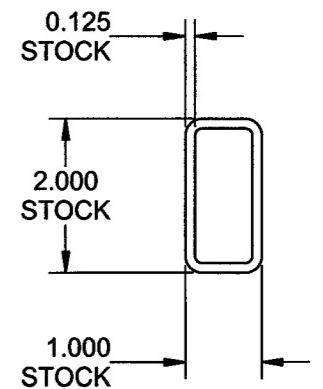
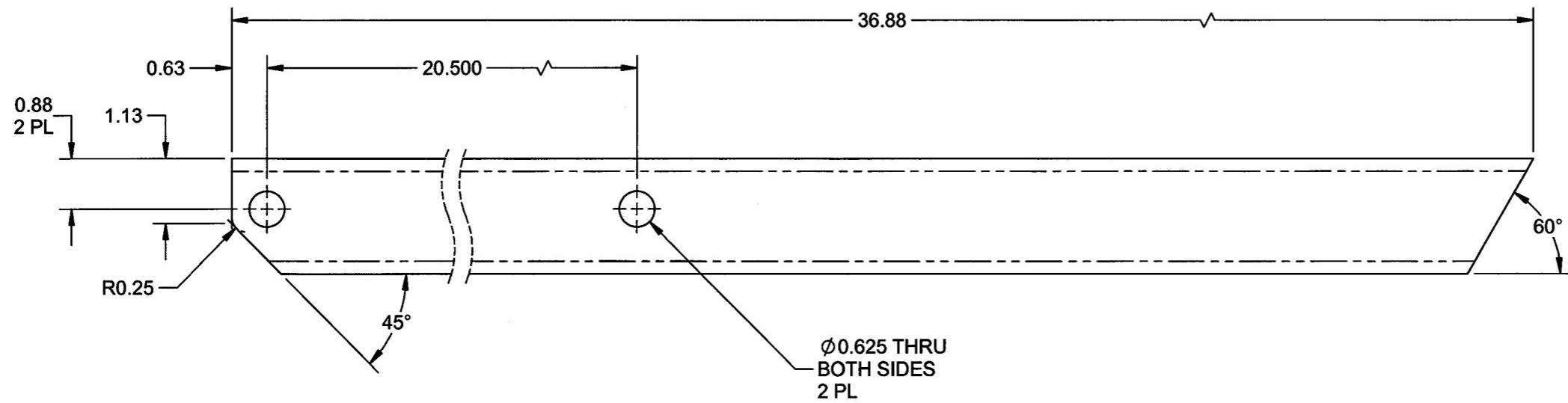
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D5839-3 TUBE #1
(DERIVED FROM AERO DESIGN P/N 76630-04)

- NOTES:
1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: PER DART QSI 044
7) WEIGHT: 6.70 lbs

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2021 MAY 07 *gj*

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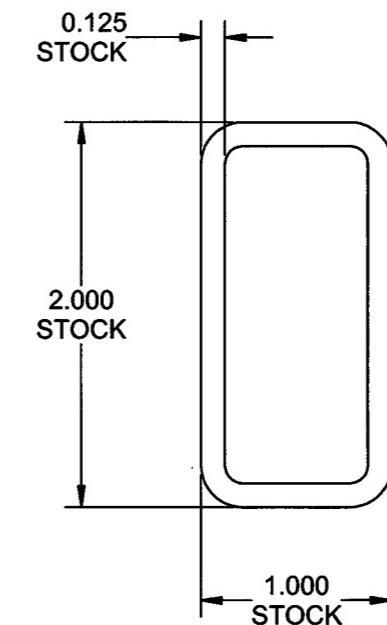
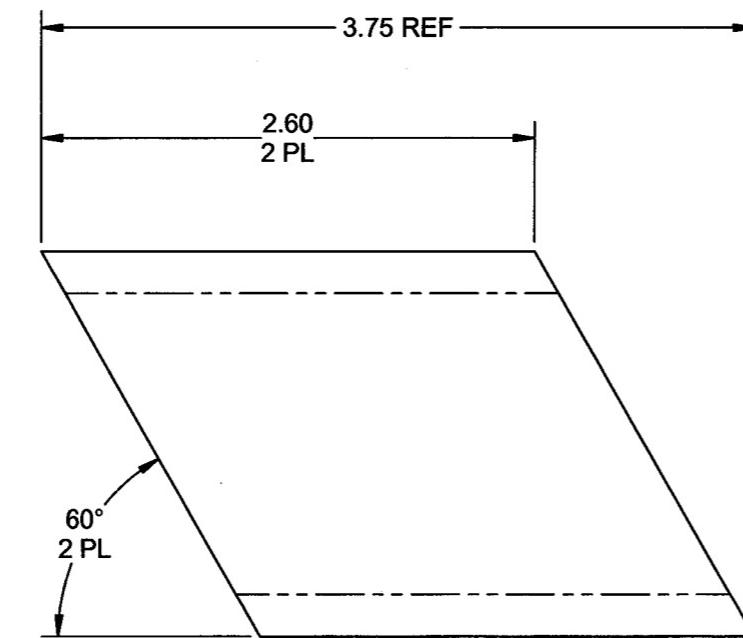
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D5839-5 TUBE #2
(DERIVED FROM AERO DESIGN P/N 76630-05)

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.49 lbs

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2021 MAY 07 *47*

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HAWKESBURY, ONTARIO, CANADA

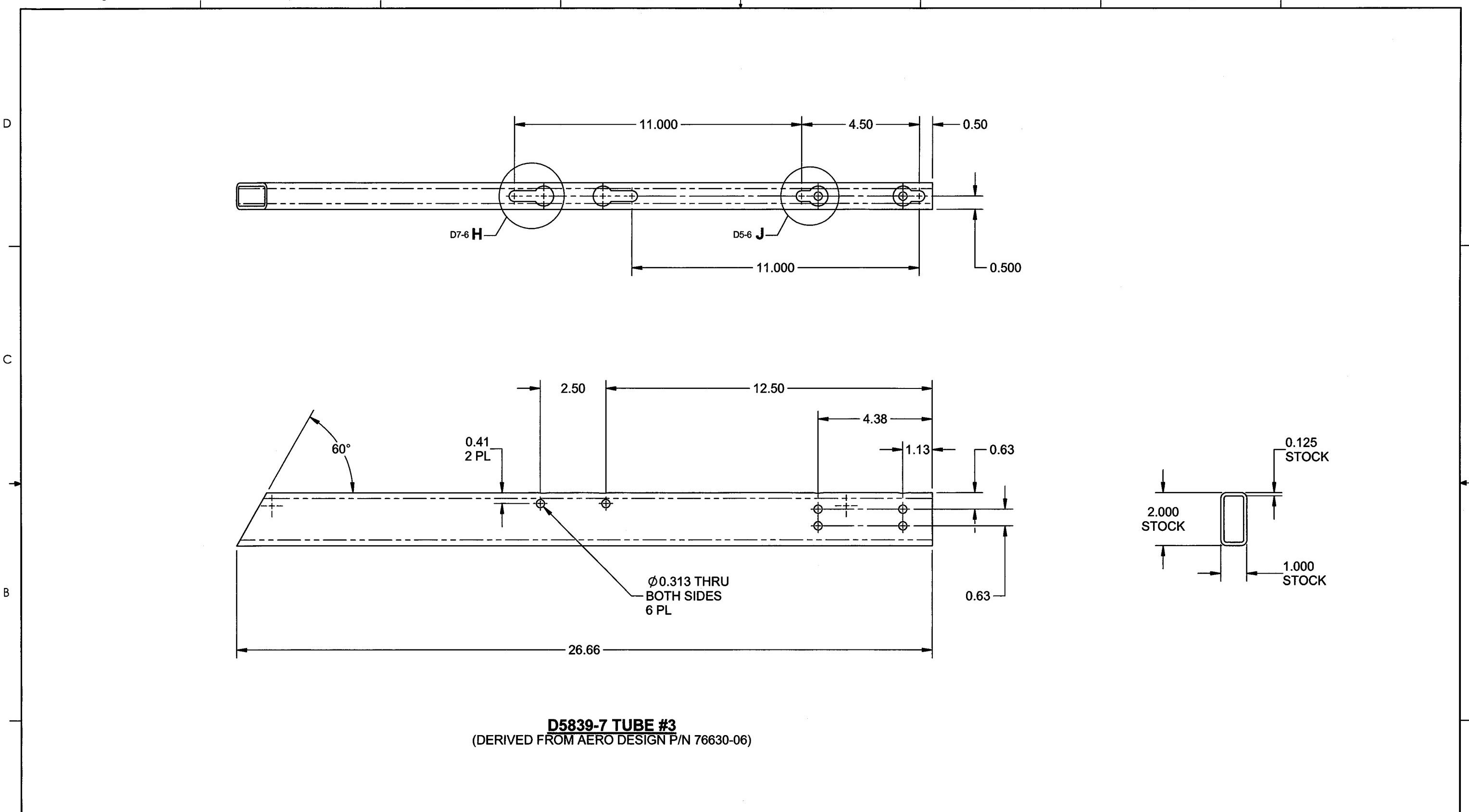
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D5839-7 TUBE #3
(DERIVED FROM AERO DESIGN P/N 76630-06)

- A NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 4.74 lbs

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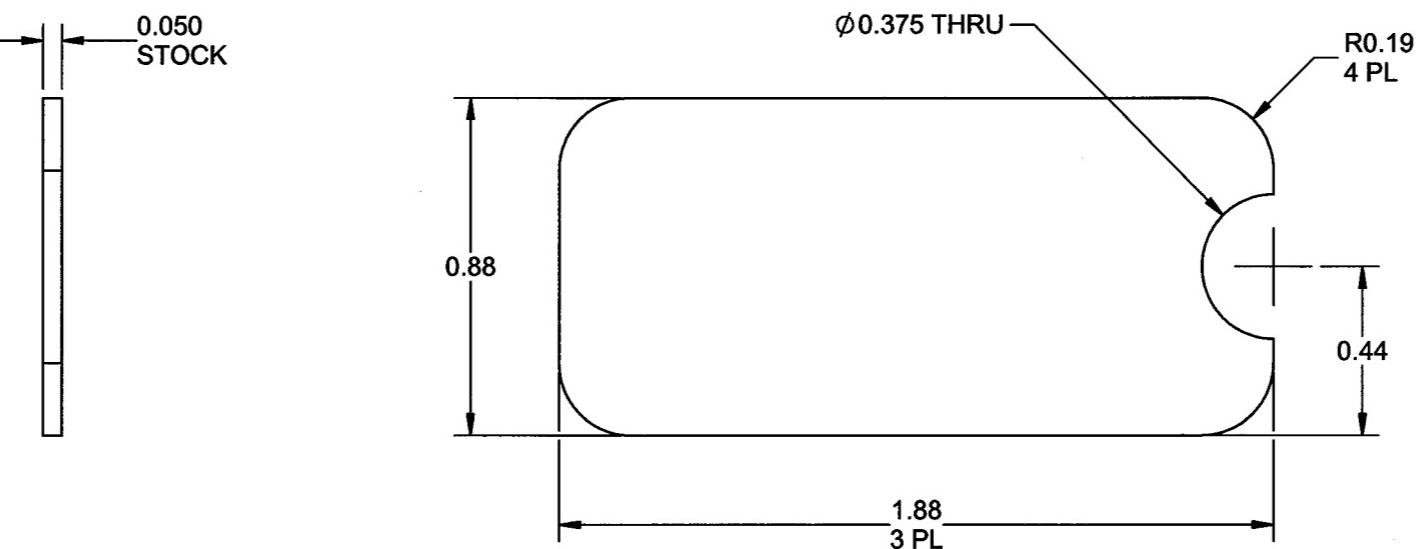
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D5839-11 CAP #1
(DERIVED FROM AERO DESIGN P/N 76630-10)

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 0.02 lbs

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2021 MAY 07 *gf*

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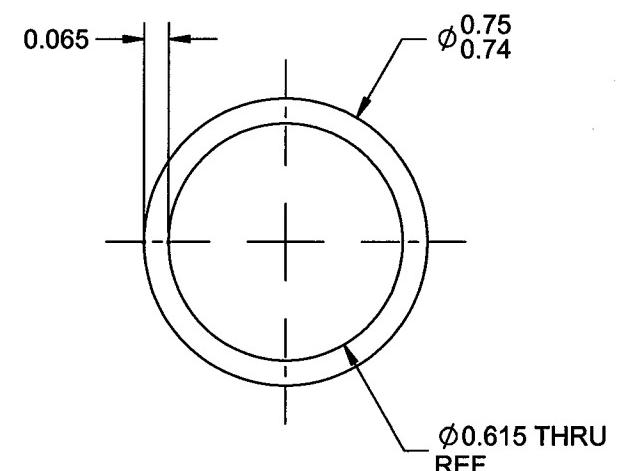
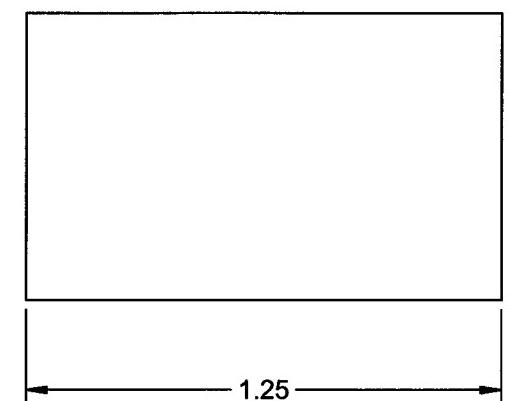
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D5839-13 GUIDE
(DERIVED FROM AERO DESIGN P/N 76630-13)

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING, 3/4 OD X 0.065 WALL
PER MIL-T-8504 OR AMS-T-8504 OR AMS 5567
OR ASTM A213 OR ASME SA213 OR ASTM A269
REF DART SPEC M304TR
OR
AISI 304/316 STAINLESS STEEL ROUND BAR
PER ASTM A276 OR ASTM A479
REF DART SPEC M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.05 lbs

RELEASED

2021 MAY 07 *YR*

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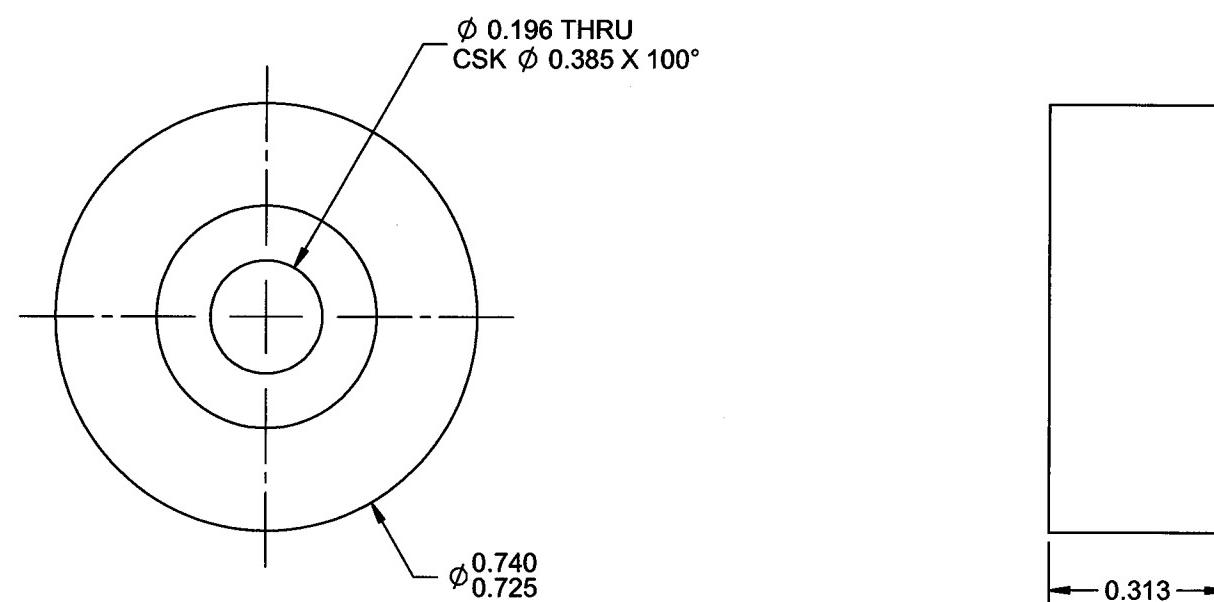
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D5839-15 STOP
(DERIVED FROM AERO DESIGN P/N 76630-14)

NOTES:

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
OR
6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6R
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 SECTION 4.1
WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: lbs

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2021 MAY 07 *dp*

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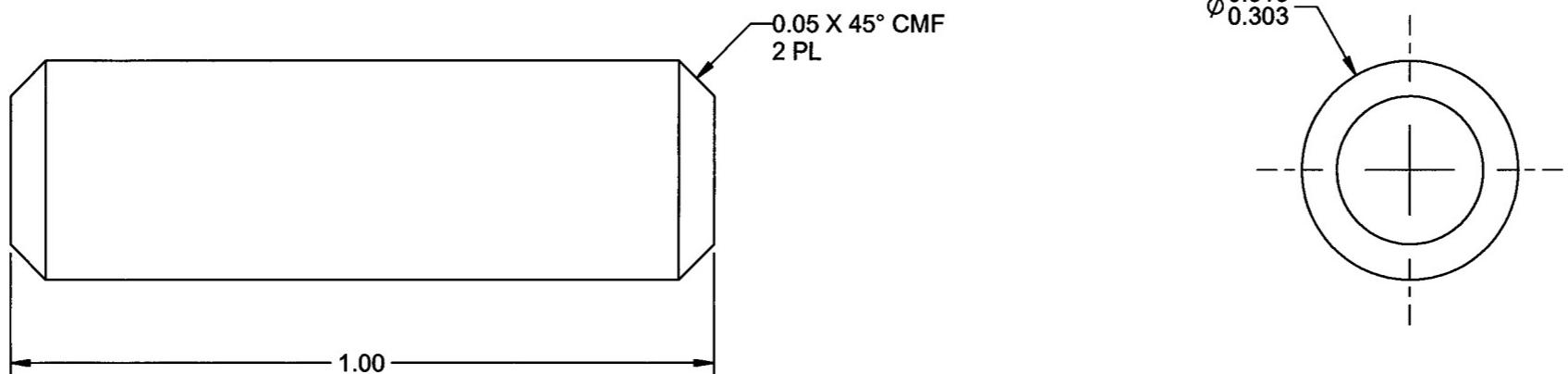
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D5839-17 PIN
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- NOTES:
1) MATERIAL: AISI 304/316 STAINLESS STEEL ROUND BAR
PER ASTM A276 OR ASTM A479
REF DART SPEC M304R
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: PER DART QSI 044
7) WEIGHT: 0.02 lbs

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